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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/578,895	06/08/2007	Carl R. Towns	29610/CDT498	3448
	7590 05/24/201 GERSTEIN & BORUN		EXAMINER	
233 SOUTH WACKER DRIVE			CROUSE, BRETT ALAN	
6300 WILLIS TOWER CHICAGO, IL 60606-6357			ART UNIT	PAPER NUMBER
			1786	
			MAIL DATE	DELIVERY MODE
			05/24/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/578,895	TOWNS ET AL.			
Office Action Summary	Examiner	Art Unit			
	Brett A. Crouse	1786			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DOWN THE METERS THE	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONEI	l. lely filed the mailing date of this communication. (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on <u>08 Jules</u> This action is <b>FINAL</b> . 2b) ☐ This      Since this application is in condition for allowed closed in accordance with the practice under Expression in the practice of the practi	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) Claim(s) 1-42 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-42 are subject to restriction and/or example.	wn from consideration. election requirement.				
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomposed and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>					
Attachment(s)  1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4)  Interview Summary Paper No(s)/Mail Da 5)  Notice of Informal P 6)  Other:	te			

## **DETAILED ACTION**

## Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 15 and 16, drawn to a compound of formula (IV).

Group II, claim(s) 5 and 6, drawn to a monomer of formula (II).

Group III, claim(s) 1-4, drawn to a polymer of formula (I).

Group IV, claim(s) 10-12, drawn to an optical device comprising the polymer of formula (I).

Group V, claim(s) 13 and 14, drawn to a switching device comprising the polymer of formula (I).

Group VI, claim(s) 22-28, 40 and 41, drawn to a polymer of formula (VII).

Group VII, claim(s) 29, drawn to a monomer of formula (VIII).

Group VIII, claim(s) 30-34, drawn to an electroluminescent device comprising the polymer repeat unit of formula (IX) and a luminescent dopant.

Group IX, claim(s) 17-21, drawn to a method of forming a monomer of formula (VI).

Group X, claim(s) 35-39 and 42, drawn to a method of forming compounds of formula (X).

Group XI, claim(s) 7-9, drawn to a method of polymerizing a monomer of formula (II).

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2. The groups of inventions listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The compounds represented by formula (IV), the monomer precursors, are not novel over the prior art.

Kabir et al., Journal of the Chemical Society, Perkins Transactions 1, (2001), Pages 159-165, teaches on page 160, column 2, compound 15, shown below, a compound meeting the limitations of instant claim 15.

14: R.B = Me

15 · B B ≈ F

16: R;R = -(CH=CH)<sub>2</sub>-

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable on the elected invention or species.

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Should applicant traverse on the ground that the inventions have unity of invention (37 CFR 1.475(a)), applicant must provide reasons in support thereof. Applicant may submit evidence or identify such evidence now of record showing the inventions to be obvious variants or clearly admit on the record that this is the case. Where such evidence or admission is provided by applicant, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

## Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brett A. Crouse whose telephone number is (571)-272-6494. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, D. Lawrence Tarazano can be reached on 571-272-1515. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/B. A. C./ Examiner, Art Unit 1794 /D. Lawrence Tarazano/ Supervisory Patent Examiner, Art Unit 1786